

List of references cited by Applicant (Sheet 1 of 4)	Attorney Docket Number 85189-16500	Application Number 10/537,071
	Applicant: SMILANSKY, Zeev	
	Filing Date 09-Jan-2006	Group Art Unit 1631

U.S. Patent Documents							
*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	A1	US 5,626,058	May 6, 1997	Karpowich, et al.	74	489	
	A2	US 5,777,079	July 7, 1998	Tsien, et al.	530	350	

Forgien Patent Documents								
*Examiner Initial		Document Number	Issue Date	Country	Class	Subclass	Translation	
							YES	NO
	B1	WO 01/16375	March 08, 2001	WO	C12Q	1/68		
	B2	WO 2004/050825	June 17, 2004	WO	G01N	33/542		

*Examiner Initial	Other Documents (Including Author, Title, Date, Pertinent Pages, Etc.)	
	C1	AKERMAN, Marla E. et al., (2002) Nanocrystal targeting in vivo. Proc Natl Acad Sci USA 2002 Oct 1;99(20):12617-12621
	C2	BAIN, J. D. et al., (1991) Site-specific incorporation of nonnatural residues during in vitro protein biosynthesis with semisynthetic aminoacyl-tRNAs. Biochemistry 30(22):5411-58421
	C3	BAKIN, A. V. et al., (1991) Spatial organization of template polynucleotides on the ribosome determined by fluorescence methods. J Mol Biol. 221(2):441-453
	C4	BASTIAENS, Philippe I. H. et al., (1999) Fluorescence lifetime imaging microscopy: spatial resolution of biochemical processes in the cell. Trends Cell Biol. 9(2):48-52
	C5	BAUBET, Valerie et al., (2000) Chimeric green fluorescent protein-aequorin as bioluminescent Ca ²⁺ reporters at the single-cell level. Proc Natl Acad Sci USA 97(13):7260-7265
	C6	BRASLAVSKY, Ido et al., (2003) Sequence information can be obtained from single DNA molecules. Proc Natl Acad Sci USA 100(7):3960-3964
	C7	CAMPAGNOLA, Paul J. and LOEW, Leslie M. (2003) Second-harmonic imaging microscopy for visualizing biomolecular arrays in cells, tissues and organisms. Nat Biotechnol. 21(11):1356-1360
	C8	CLOAD, Sharon T. et al., (1996) Development of improved tRNAs for in vitro biosynthesis of proteins containing unnatural amino acids. Chem Biol. 3(12):1033-1038
	C9	CORNISH, Virginia W. et al., (1994) Site-specific incorporation of biophysical probes into proteins. Proc Natl Acad Sci USA 91(8):2910-2914
	C10	DE ANGELIS, Dino A. (1999) Why FRET over genomics? Physiol Genomics 1(2):93-99
	C11	DENIZ, Ashok A. et al., (2000) Single-molecule protein folding: diffusion fluorescence

List of references cited by Applicant (Sheet 2 of 4)	Attorney Docket Number 85189-16500	Application Number 10/537,071
	Applicant: SMILANSKY, Zeev	
	Filing Date 09-Jan-2006	Group Art Unit 1631

		resonance energy transfer studies of the denaturation of chymotrypsin inhibitor 2. Proc Natl Acad Sci USA 97(10):5179-5184
	C12	DENK, Winfried et al., (1990) Two-photon laser scanning fluorescence microscopy. Science 248(4951):73-76
	C13	DUBERTRET, Benoit et al., (2002) In vivo imaging of quantum dots encapsulated in phospholipid micelles. Science 298(5599):1759-62
	C14	EMPTAGE, N. J. (2001) Fluorescent imaging in living systems. Curr Opin Pharmacol. 1(5):521-525
	C15	HA, Taekjip et al., (1996) Probing the interaction between two single molecules: fluorescence resonance energy transfer between a single donor and a single acceptor. Proc Natl Acad Sci USA 93(13):6264-6268
	C16	HA, Taekjip (2001) Single-molecule fluorescence resonance energy transfer. Methods 25(1):78-86
	C17	HARMS, Gregory S. et al., (2001) Single-molecule imaging of l-type Ca(2+) channels in live cells. Biophys J. 81(5):2639-2646
	C18	HEINZE, Katrin G. et al., (2000) Simultaneous two-photon excitation of distinct labels for dual-color fluorescence crosscorrelation analysis. Proc Natl Acad Sci USA 97(19):10377-10382
	C19	ILEGEMS, Erwin et al., (2002) Monitoring mis-acylated tRNA suppression efficiency in mammalian cells via EGFP fluorescence recovery. Nucleic Acids Res. 30(23):e128
	C20	JAISWAL, Jyoti K. et al., (2003) Long-term multiple color imaging of live cells using quantum dot bioconjugates. Nat Biotechnol. 21(1):47-51
	C21	JIA, Y. et al., (1997) Nonexponential kinetics of a single tRNAPhe molecule under physiological conditions. Proc Natl Acad Sci USA 94(15):7932-6
	C22	JOVIN, Thomas M. (2003) Quantum dots finally come of age. Nat Biotechnol. 21(1):32-3
	C23	KENWORTHY, Anne K. (2001) Imaging protein-protein interactions using fluorescence resonance energy transfer microscopy. Methods 24(3):289-296
	C24	KLOSTERMEIER, Dagmar and MILLER, David P. (2001) RNA conformation and folding studied with fluorescence resonance energy transfer. Methods 23(3):240-54
	C25	MASCARENHAS, Judita et al., (2001) Specific polar localization of ribosomes in Bacillus subtilis depends on active transcription. EMBO Rep. 2(8):685-9
	C26	MEDINTZ, Igor L. et al., (2003) Self-assembled nanoscale biosensors based on quantum dot FRET donors. Nat Mater. 2(9):630-8
	C27	MEISSNER, Wolfgang et al., (2001) Development of an inducible pol III transcription system essentially requiring a mutated form of the TATA-binding protein. Nucleic Acids Res. 29(8):1672-1682
	C28	MIYAWAKI, Atsushi et al., (2003) Lighting up cells: labelling proteins with fluorophores. Nat Cell Biol. Suppl:S1-S7
	C29	ODOM, Obed W. Jr. et al., (1980) Distances between 3' ends of ribosomal ribonucleic acids reassembled into Escherichia coli ribosomes. Biochemistry 19(26):5947-5954
	C30	ODOM, Obed W. et al., (1984) Relaxation time, interthiol distance, and mechanism of

List of references cited by Applicant (Sheet 3 of 4)	Attorney Docket Number 85189-16500	Application Number 10/537,071
	Applicant: SMILANSKY, Zeev	
	Filing Date 09-Jan-2006	Group Art Unit 1631

		action of ribosomal protein S1. Arch Biochem Biophys. 230(1):178-93
	C31	ODOM, O. W. et al., (1988) Fluorescence labeling and isolation of labeled RNA and ribosomal proteins. Methods Enzymol. 164:174-187
	C32	ODOM, O. W. et al., (1990) Movement of tRNA but not the nascent peptide during peptide bond formation on ribosomes. Biochemistry 29(48):10734-10744
	C33	PLUMBRIDGE, Jackie A. et al., (1980) Characterisation of a new, fully active fluorescent derivative of E. coli tRNA Phe. Nucleic Acids Res. 8(4):827-843
	C34	SAKO, Yasushi and UYEMURA, Takeshi (2003) Single-molecule visualization in cell biology. Nat Rev Mol Cell Biol. Suppl:SS1-5
	C35	SAKO, Yasushi and YANAGIDA, Toshio (2002) Total internal reflection fluorescence microscopy for single-molecule imaging in living cells. Cell Struct Funct. 27(5):357-365
	C36	SCHLEGEL, Robert A. et al., (1978) The turnover of tRNAs microinjected into animal cells. Nucleic Acids Res. 5(10):3715-3729
	C37	SCHWILLE, Petra and KETTLING, Ulrich (2001) Analyzing single protein molecules using optical methods. Curr Opin Biotechnol. 12(4):382-386
	C38	SELVIN, Paul R. (2000) The renaissance of fluorescence resonance energy transfer. Nat Struct Biol. 7(9):730-734
	C39	SHIMIZU, Yoshihiro et al., "Cell-free translation reconstituted with purified components". Nat Biotechnol. 2001 Aug;19(8):751-755.
	C40	SMILANSKY, Zeev (2001) Automatic registration for images of two-dimensional protein gels. Electrophoresis 22(9):1616-1626
	C41	SYTNIK, Alexander et al., (1999) Peptidyl transferase center activity observed in single ribosomes. J Mol Biol. 285(1):49-54
	C42	TERPE, K. (2003) Overview of tag protein fusions: from molecular and biochemical fundamentals to commercial systems. Appl Microbiol Biotechnol. 60(5):523-533
	C43	TOOMRE, Derek and Manstein, Dietmar J. (2001) Lighting up the cell surface with evanescent wave microscopy. Trends Cell Biol. 11(7):298-303
	C44	VANZI, Francesco et al., (2003) Protein synthesis by single ribosomes. RNA 9(10):1174-1179
	C45	WEISS, Shimon (1999) Fluorescence spectroscopy of single biomolecules. Science 283(5408):1676-83
	C46	ZHUANG, Xiaowei et al., Correlating structural dynamics and function in single ribozyme molecules". Science. 2002 May 24;296(5572):1473-6
	C47	ZIPFEL, Warren R. et al., (2003) Nonlinear magic: multiphoton microscopy in the biosciences. Nat Biotechnol. 21(11):1369-77
EXAMINER		DATE CONSIDERED